

# MANUAL BOOK

The Alcoordi smart alcohol detector is a digital breathalyser which uses a semi-conductive oxide sensor with proven accuracy. This breath sampling system can be easily carried around anywhere, due to its unique and compact structure. The Alcoordi can be connected to an Android smartphone (with Android 4.0, as well as USB On-The-Go capability) where it then can then add user information, check blood alcohol concentration and calculate recovery time.

## A PART NAMES

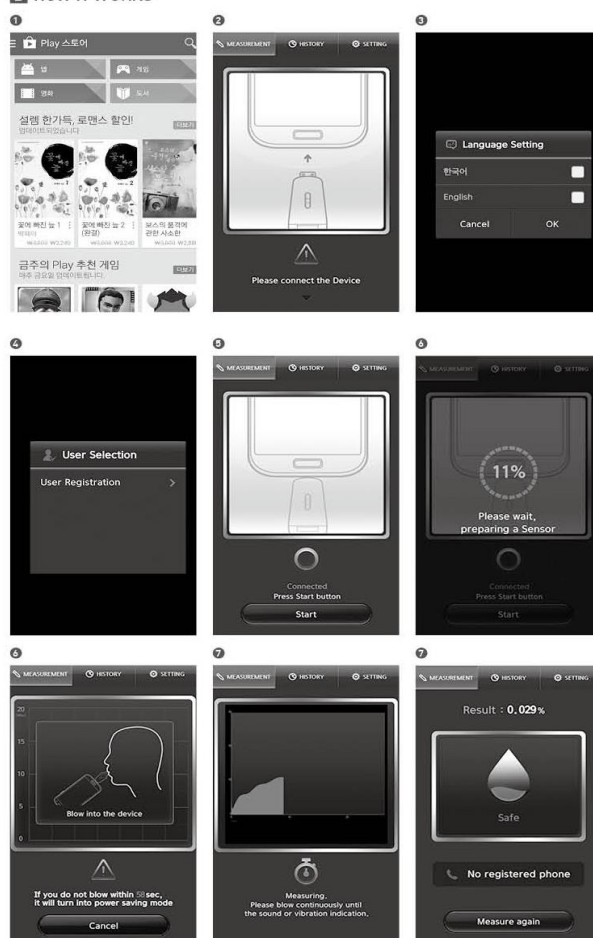


## Alcoordi One Year Limited Warranty

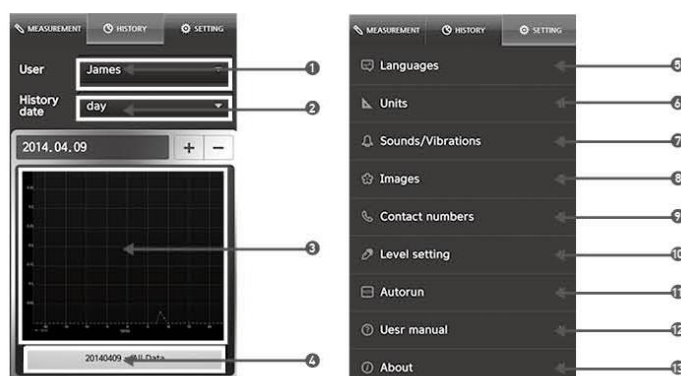
Your Alcoordi SA1000 is warranted against defects in materials, and workmanship for a "Warranty Period" of ONE YEAR from the date of original retail purchase. If a defect of this category should occur, Alcoordi will either fix your product with new and reliable parts, or completely replace your product with a new and reliable product. In order to claim your warranty, you must have receipt proof of purchase, as well as be able to supply Alcoordi with the original product and packaging. This warranty excludes damage resulting from abuse, accident, modifications or other causes that are not defects in materials and workmanship.

**For any queries, please contact Alcoordi Ltd,**  
**75-81 Montgomery Crescent**  
**Upper Hutt 5018**  
**Email: [info@alcoordi.co.nz](mailto:info@alcoordi.co.nz)**

## B HOW IT WORKS



## C ADDITIONAL FUNCTIONS



# Hello!

## A. PART NAMES

- ① Strap
- ② Case
- ③ Micro-USB
- ④ LED Indicator
- ⑤ Alcoordi
- ⑥ Mouth Piece
- ⑦ Ventilator
- ⑧ Air Outlet

• Strap and case may vary depending on the place of purchase.  
Features and designs are subject to change without notice, for the performance improvement of products.

## B. HOW IT WORKS

- ① Search the “Alcoordi” app in the Google Play Store and install it.
- ② Connect the product to the micro-USB port of your smart-phone.
- ③ Select Auto-Run, and your preferred language of use.
- ④ Register the user.
- ⑤ Press the start button to prepare the measurement.
- ⑥ When the system is ready, put mouth on the mouthpiece and keep blowing with a constant intensity until the vibration or sound occurs.
- ⑦ Once the alcohol content analysis is completed, you can check the measurement results.

## C. ADDITIONAL FUNCTIONS

- ① In the case of multiple users, you can select, add or remove users.  
(However, if you delete a user, its measurement history will be deleted as well.)
- ② Measurement history can be checked, which includes the measurement date, measurement time and results.
- ③ Recovery time can be estimated based on the measurement result and the result can vary depending on alcohol consumption, physical constitution and condition.
- ④ Results can be checked by the measurement time.
- ⑤ The user can choose their preferred language.
- ⑥ Unit: The measurement can be changed to the unit used in each country.
- ⑦ Sound/Vibration: Sound and vibration can be changed when checking the measurement results.
- ⑧ Images: The default image in the confirmation window of measurement results can be changed.
- ⑨ Contact numbers: The contact numbers in the confirmation window of the measurement results can be changed.  
(E.g. a frequently used taxi company)
- ⑩ Level Setting: The set default warning level of concentration can be changed.
- ⑪ Autorun: The automatic operation setting can be changed when the product is connected to a smart-phone.
- ⑫ User Manual: This is a simple user manual of product and application. (When it is run for the first time, it will automatically display “the first run”.)
- ⑬ About: A simple product introduction.

## D. NOTE

- This product has been developed to prevent drunk driving and improve the health of users.
- This product provides reliable, self-diagnostic measurement results, but is only for reference and therefore, **the manufacturer and sellers shall not assume any legal responsibility.**
- The results of using the product may vary depending on the presence of a particular disease, physical constitution and the method of use.
- The sensor used in this product is very sensitive and errors may occur after smoking or by ingredients contained in food and drinks.
- If you measure just after drinking alcohol, the alcohol inside the mouth rather than blood alcohol concentration may be directly measured to show a high measurement value and can shorten the life of the sensor.
- The product will measure your blood alcohol level for a specific point in time, but users must be aware that this level may increase over time due to the amount or strength of alcohol consumed.
- This product consists of precision parts and therefore, should be kept at room temperature and in a place without any external shock, moisture and static.
- Be careful not to obstruct the ventilation openings of the product when measuring
- This product is used in conjunction with an application and therefore, should be used only after installing the application (*It currently supports products with the USB OTG (On- The-Go) function of Android 4.0 and may not support some products.*)
- Use only if smartphone battery is at least 15% charged.
- Be careful not to apply excessive force or impact to the product when installing or uninstalling the product to the smartphone.
- Do not let dust or foreign matter to get into mouthpiece and vents of the product. (*Clean the product with a cotton swab, or gently wipe it with a soft cloth*)
- If the product does not seamlessly link with the corresponding application, install it again once separated.
- Measurement error can occur if the screen is manipulated or if a button is pressed during the measurement.
- Do not use this product for any purpose other than its original purpose.

## E. PRODUCT SPECIFICATIONS

Product name	Alcoordi
Model name	SA1000
Compatibility	Can be connected to smartphones with Android 4.0 and above, and On-The-Go capability
Sensor	Semi-conductive Oxide Sensor
Unit of measurement	% (default), ‰, mg / l , µg / l
Measuring range	0.00 ~ 0.40% BAC
Display	Blue, yellow and red LED on the device
Accuracy	± 0.01% BAC at 0.10% BAC
Weight (body only)	6.5g
Size (mm)	55.0 X 16.0 X 16.0
Power	DC5V
Operating and storage temperature	10 ~ 35
Calibration cycle	After 6 months or about 500 times of uses
Warranty period	1 year